Safety Data Sheet

# AR-4001 CLEANER COMPOUND

## Section 1 – Product and Company Information

**Product Identifiers**

Name AR-4001 Cleaner Compound
Number AR-4001
Brand Jenfab Cleaning Solutions
Product Use Formulated for industrial use only as a metal cleaner to remove grease, oil, and particulate from aluminum, ferrous, and stainless steel metals in conjunction with aqueous parts cleaning systems.

**Supplier**

Name Jenfab Cleaning Solutions
Address 1435 N. Alliance Ave, Springfield, MO 65802 www.Jenfab.com
Telephone (417) 866-8855 - (417) 866-8804 Fax
Prepared/Revised August 26, 2022

## Section 2 – Hazard Identification

**Classification of the substance or mixture.**

Physical Hazard Not Classified.
Health Hazards Skin Corrosion/Irritation (Category 2), Causes skin irritation.
Eye Damage / Irritation (Category 2A), Causes serious eye damage.
Environmental Hazards Not Classified

**GHS Label elements and precautionary statements**

Pictogram Corrosion – Exclamation Mark
Signal Word Warning
Pictogram Corrosion - Exclamation Mark



**Hazard Statements**

| | |
|---|---|
| **H315** | **Causes skin irritation** |
| **H319** | **Causes serious eye irritation** |

**Precautionary Statements**

| | |
|---|---|
| **P264** | **Wash thoroughly after handling** |
| **P280** | **Wear protective gloves/protective clothing/eye protection/face protection** |
| **P302 + P352** | **IF ON SKIN Wash with plenty of soap and water** |
| **P321** | **Specific treatment for active ingredient poisoning is required** |
| **P332 + P313** | **If skin irritation occurs: Get medical advice/attention** |
| **P362 + P364** | **Take off contaminated clothing and wash it before reuse** |
| **P280** | **Wear protective gloves/protective clothing/eye protection/face protection** |
| **P305 + P351 + P338** | **IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.** |
| **P337** | **If eye irritation persists, consult a doctor** |

**OTHER HAZARDS •**




| | |
|---|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | B |

**Supplemental Information.**

See Section 16 for alphanumeric H-Statements and P-Statements.

## Section 3 – Composition/Information on Ingredients

| Component | CAS Number | % Wt. |
|---|---|---|
| Sodium Silicate | 10213-79-3 | <12 |
| No other reportable hazardous materials | N/A | |

This composition consists of a combination of ingredients. The ones potentially contributing to classified hazards are reported above. The above chemistries are provided for industrial hygiene and environmental purposes and are not product specifications.

## Section 4 – First Aid Measures

**Description of first aid measures**

**INHALATION**
- If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Call a physician immediately.

**SKIN**
- Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse.

**EYE**
- Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician if irritation persists.

**INGESTION**
- Do not induce vomiting. Never give anything by mouth to an unconscious person. Dilute by drinking two large glasses of water. Call a physician immediately.

## Section 5 – Firefighting Measures

**Extinguishing Media**
Suitable Extinguishing Media: Use dry chemical, foam or water fog to extinguish.
Unsuitable Extinguishing Media: Do not use direct water stream to avoid spreading fire and splattering chemicals.
**Special hazards arising from the substance or mixture**: No known unusual hazards in a fire or explosion situation.
**Advice for firefighters**: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

## Section 6 – Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

**For Non-Emergency Personnel:** For non-emergency personnel, ventilate area of leak or spill and remove all ignition sources. Wear appropriate personal protective equipment as required to prevent any contamination of skin, eyes, and personal clothing. Isolate release area. Do not touch or walk through spilled material unless wearing the appropriate protective equipment. Keep unnecessary and unprotected personnel from entering.

**For Emergency Responders:** For emergency responders, as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. This product is not flammable. If container is on fire, stay out of smoke. Stay upwind. Ventilate closed spaces before entering.

## ENVIRONMENTAL PRECAUTIONS

**Accidental Release Environmental:** Stop leak if you can do it without risk. If possible, keep from entering into storm drains, surface water, or ground water. This product is biodegradable.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

**Containment and Cleanup:** Contain and recover liquid when possible. Cover drains or cap spill when safe. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Small spills may be flushed to the sanitary sewer with approval from local authorities.

## Section 7 – Handling and Storage

**PRECAUTIONS FOR SAFE HANDLING:** Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

**CONDITIONS FOR SAFE STORAGE AND INCOMPATIBILITIES:** Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

## Section 8 – Exposure Control and Personal Protection

**Control parameters**
Chemical Identity: Sodium Silicate
CAS: 10213-79-3
TLV: N/E

**Exposure controls**
Appropriate engineering controls: Use adequate ventilation systems as needed to maintain air concentrations below occupational exposure limits.

**Personal protective equipment**
**Eye/Face Protection**: Chemical safety glasses

**Skin Protection**: None required under normal, temporary use. For long periods of contact, nitrile gloves are recommended.

**Respiratory Protection**: None required under normal use.

## Section 9 – Physical and Chemical Properties

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Appearance:** | Clear blue liquid | **Lower Limits:** | Not available |
| **Odor:** | Little odor | **Vapor Pressure:** | Not available |
| **pH:** | 13.2 neat | **Vapor Density:** | Not available |
| **Melting Freezing Point:** | Not available | **Relative Density:** | 1.05 g/ml |
| **Initial Boiling Point** | Not available | **Solubility:** | Miscible with ambient water |
| **Flash Point:** | Does not flash | **Partition Coefficient:** | Not available |
| **Evaporation Rate:** | Not available | **Auto Ignition Temp:** | Not available |
| **Flammability** | Not flammable | **Decomposition Temp:** | Not available |
| **VOC (g/L)** | 0 g/L | **Viscosity:** | Not available |

Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

## Section 10 – Stability and Reactivity

**Reactivity**: No dangerous reaction known under conditions of normal use.
**Chemical stability**: Stable under normal temperatures and pressures.
**Possibility of hazardous reactions**: Will not occur.
**Incompatible materials**: Do not mix with strong acids or bases. Do not mix with any other chemical unless instructed to do so by the manufacturer.
**Hazardous decomposition products:** In case of fire, oxides of carbon, hydrocarbons, fumes, or vapors, soot, and smoke may be produced.

## Section 11 – Toxicity Information

**Information on Toxicological Effects**

| | |
|---|---|
| **Acute Toxicity** | No specific information available for mixture. |
| **Skin Corrosion/Irritation** | No specific information available for mixture. |
| **Serious Eye Damage/Irritation** | No specific information available for mixture. |
| **Respiratory or Skin Sensitization** | No specific information available for mixture. |
| **Germ Cell Mutagenicity** | No specific information available for mixture. |
| **Carcinogenicity** | No specific information available for mixture. |
| **Reproductive Toxicity** | No specific information available for mixture. |
| **STOT Single Exposure** | No specific information available for mixture. |
| **STOT Repeated Exposure** | No specific information available for mixture. |
| **Aspiration Hazard** | No specific information available for mixture. |

**Target Organs:** Skin

**Routes of Entry Exposure:** Ingestion, inhalation, skin, eye ingestion, inhalation, skin, eye

### POTENTIAL HEALTH EFFECTS

**INHALATION ACUTE:** May irritate nose, throat and lungs with continuous, non-interrupted use.

**INHALATION CHRONIC**: Vapors or mists may aggravate pre-existing lung conditions.

**SKIN ACUTE:** May cause irritation. Prolonged exposure may cause redness or pain. and should be avoided.

**SKIN CHRONIC:** Sensitivity of the skin may occur with repeated, prolonged exposure.

**EYE ACUTE:** May cause redness, tearing, swelling and pain. Prolonged exposure to eyes should be avoided.

**EYE CHRONIC:** No data available.

**INGESTION ACUTE:** May irritate gastrointestinal tract. Ingestion of large amounts may cause nausea, vomiting and diarrhea.

**INGESTION CHRONIC:** No data available.

**Additional Information**
None known.

## Section 12 – Ecological Information

**Toxicity:** Not enough information on the mixture is available
**Persistence & Biodegradability:** Not enough information on the mixture is available. The components of the mixture are determined as either readily biodegradable or it is inherently biodegradable.
**Bioaccumulative Potential:** Not enough information on the mixture is available
**Mobility in Soil:** Not enough information on the mixture is available
**Other Adverse Effects:** Not enough information on the mixture is available

## Section 13 – Disposal Consideration

**Disposal Considerations:** Small amounts of product may be disposed into a sanitary sewer, where allowed by local authorities. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state, and local requirements.

## Section 14 – Transport Information

**DOT**: Not Regulated – **IATA**: Not Regulated – **IMDG**: Not Regulated

Additional transportation system information can be obtained through a shipper authorized sales or customer service representative.

## Section 15 – Regulatory Information

**Federal**

**SARA TITLE III INFORMATION**

**Chemical Identity: None Reportable** **CAS/CAT Code: N/A** **Percent Wt: N/A**

**States**
**Other Regulatory Information**
**TSCA (Toxic Substance Control Act):** All ingredients of this product are listed on the TSCA inventory.
**CARCINOGENICITY:** Not listed by IARC, NTP, or OSHA
**CALIFORNIA PROPOSITION 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins which would be subject to the proposition.

## Section 16 – Other Information

**Last Revision Date** 8/26/2022 **Date Prepared** 8/26/2022

**KEY TO ABBREVIATIONS**

**N/E = Not Established.**

**CAS = Chemical Abstract Service.**

**ppm = Parts Per Million**

**g/L = Grams per Liter**

**mg/m3 = milligrams per cubic meter**

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